

3-14-05

**PATENT**



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:  
  
Sezgin et al.  
  
**Application No.:** 10/074,641  
**Confirmation No.:** 8105  
**Filed:** February 13, 2002  
**For:** BASE STATION FOR CODE GROUP  
SYNCHRONIZATION  
**Group:** 2661  
**Examiner:** Andrew W. Wahba

**Our File:** I-2-0139.3US  
**Date:** March 14, 2005

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention that Applicants' assignee is also the owner of U.S. Patent No. 6,717,930 and co-pending U.S. Patent Applications 10/074,949 and 10/695,276 which all claim the benefit of Provisional Application No. 60/136,664 from which priority is claimed in this application.

gdm 8/10/05

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-139.3US	SERIAL NO. Not Yet Known
	APPLICANT Sezgin et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known

 JC978 U.S. PRO  
 10/074641


## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
92m	AA*	W O 99 12 2 7 3	3/99	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

92m	AB*	TSG-RAN Working Group 1 (Radio) Meeting #3, "A New Hierarchical Correlation Sequence with Good Properties in Presence of a Frequency Error", Eskilstuna, Sweden, March 22-26, 1999.
	AC*	Nadir Sezgin and Fatih Ozluturk, "BPSK Modulated Secondary Synchronization Codes for Cell Search in UTRA TDD", May 28, 2000.
	AD*	TSG-RAN Working Group 1 Meeting #2, "Synchronization Channel with Cyclic Hierarchical Sequences", Yokohama, Japan, February 22-25, 1999.
	AE*	ETSI SMG2 UMTS, Physical Layer Expert Group Meeting #2, "Comma Free Codes for Fast PN Code Acquisition in WCDMA Systems: A Proposal for the UTRA Concept", Paris, France, April 28, 1998.
	AF*	InterDigital Communications Corporation, "QPSK Modulated Secondary Synchronization Codes (SSC) Algorithm", August 9, 1999.
	AG*	3GPP TSG-RAN Working Group 1 Meeting #4, "Calculation of $t_{offset}$ for Physical Synchronization Channel in TDD Mode", Shin Yokohama, April 18-20, 1999.
	AH*	TSG-RAN Working Group 1 Meeting #5, "BPSK Modulated Secondary Synchronization Codes Based Cell Search in UTRA TDD", Cheju, South Korea, June 1-4, 1999.
	AI*	European Telecommunications Standards Institute, "Universal Mobile Telecommunications System (UMTS); UMTS Terrestrial Radio Access (UTRA); Concept Evaluation", (UMTS 30.06 version 3.0.0), (1997)
	AJ*	K. Higucki, M. Sawahashi and F. Adachi, "Fast Cell Search Algorithm in DS-CDMA Mobile Radio Using Long Spreading Codes", (1997), pp. 1430-1434

EXAMINER

92m N Mac

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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	APPLICANT Sezgin et al.	
	FILING DATE February 13, 2002	GROUP 2661

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
9NM		5,559,789	09/1996	Nakamo et al.			
		5,715,521	02/1998	Fukasawa et al.			
	*	6,173,006 B1	01/2001	Kent et al.			
		6,185,284	02/2001	Goodman et al.			
		6,246,673	06/2001	Tiedemann, Jr. et al.			
	*	6,317,413 B1	11/2001	Honkasalo			
		6,363,060	03/2002	Sarkar et al.			
	*	6,473,395 B1	10/2002	Lee			
		6,526,091	02/2003	Nystrom et al.			
	*	6,665,277 B1	12/2003	Sriram			
		6,717,930 B1	04/2004	Sezgin et al.			
	*	6,741,578 B1	05/2004	Moon et al.			
	*	6,865,177 B1	03/2005	Park et al.			

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
9NM		9912273	03/1999	WO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
9NM		TSG-RAN Working Group 1 (Radio) Meeting #3, "A New Hierarchical Correlation Sequence with Good Properties in Presence of a Frequency Error", Eskilstuna, Sweden, March 22-26, 1999.
		Nadir Sezgin and Fatih Ozluturk, "BPSK Modulated Secondary Synchronization Codes for Cell Search in UTRA TDD", May 28, 2000
		TSG-RAN Working Group 1 Meeting #2, "Synchronization Channel with Cyclic Hierarchical Sequences", Yokohama, Japan, February 22-25, 1999

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6-20-2005  
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Sheet 2 of 2

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		ATTY. DOCKET NO. I-2-0139.3US	SERIAL NO. 10/074,641
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
9/11/01		ETSI SMG2 UMTS, Physical Layer Expert Group Meeting #2, "Comma Free Codes for Fast PN Code Acquisition in WCDMA Systems: A Proposal for the UTRA Concept", Paris, France, April 28, 1998	
		InterDigital Communications Corporation, "QPSK Modulated Secondary Synchronization Codes (SSC) Algorithm", August 9, 1999.	
		3GPP TSG-RAN Working Group 1 Meeting #4, "Calculation of $t_{offset}$ for Physical Synchronization Channel in TDD Mode", Shin Yokohama, April 18-20, 1999	
		TSG-RAN Working Group 1 Meeting #5, "BPSK Modulated Secondary Synchronization Codes Based Cell Search in UTRA TDD", Cheju, South Korea, June 1-4, 1999	
		European Telecommunications Standards Institute, "Universal Mobile Telecommunications System (UMTS); UMTS Terrestrial Radio Access (UTRA); Concept Evaluation", (UMTS 30.06 version 3.0.0), (1997)	
		K. Higucki, M. Sawahashi and F. Adachi, "Fast Cell Search Algorithm in DS-CDMA Mobile Radio Using Long Spreading Codes", (1997), pp. 1430-1434	

EXAMINER <i>Jan N. Moore</i>	DATE CONSIDERED 8/10/05
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